

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/676,275	SUBRAHMANYAM ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Kidest Bahta	2125	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>1/16/04</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                              | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Kirkland on January 19, 2006.

Claim 2, line 1, change --an invariant-- to "the invariant";

Claim 3, line 1, change --a global-- to "the global";

Claim 4, line 1, change --an open path-- to "the open path";

Claim 5, line 1, change --an open path-- to "the open path";

Claim 6, line 1, change --a closed path-- to "the closed path";

Claim 7, line 1, change --a closed single-- to "the closed single";

Claim 8, line 1, change -- a closed single -- to "the closed single";

Claim 8, line 2, change --a global-- to "the global";

Claim 9, line 1, change -- a closed multiple -- to "the closed multiple";

Claim 10, line 1, change -- a closed multiple -- to "the closed multiple";

Claim 17, line 2, change --an invariant-- to "the invariant";

Claim 18, line 2, change --a global-- to "the global";

Claim 19, line 3, change --an open path-- to "the open path";

Claim 19, line 9, change --a closed single-- to "the closed single";

Claim 19, line 10, change --a global-- to "the global";

Claim 19, line 11, change -- a closed multiple -- to "the closed multiple";

Claim 19, line 13, change --a global-- to "the global";

Claim 22, line 2, change --an invariant-- to "the invariant";

Claim 23, line 2, change --a global-- to "the global";

Claim 24, line 3, change --an open path-- to "the open path";

Claim 24, line 5, change --a closed path-- to "the closed path";

Claim 25, line 3, change --an open path-- to "the open path";

Claim 25, line 3, change --an initial-- to "the initial";

Claim 25, line 4, change --a face of a component-- to "the face of the component";

Claim 25, line 6, change -- a closed single -- to "the closed single";

Claim 25, line 7, change --a global-- to "the global";

Claim 25, line 8, change -- a closed multiple -- to "the closed multiple";

Claim 25, line 10, change --a global-- to "the global".

***Allowable Subject Matter***

2. Claims 1-30 are allowed.

The following is an examiner's statement of reasons for allowance:

The allowability of the independent claims 1 and 6 resides, at least in part, in that closest prior art of record Mallenahalli et al.(U. S. Patent 6,392,193) does not disclose or suggest, alone or in combination, receiving a continuous path (P) of an intermittent fillet weld bead to be used to weld a plurality of components of an article of manufacture

together at one or more edges of one or more faces of the components in the manufacturing of the article outside the computing environment, determining an invariant weld bead generation direction for the continuous path (P), subdividing the continuous path (P) into substantially equal length sub-path placed at substantially equal distance (d) from each other; an naming each sub-path, including its edge and vertices, employing the invariant weld bead generation direction, in combination with the other elements and features of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed Kidest Bahta whose telephone number is 571-272-3737. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571-272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-723-8300.

Information regarding the status of an application may be obtained from the Patent Application information Retrieval IPAIRI system. Status information for published

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applications may be obtained from either Private PMR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAG system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Kidest Bahta', with a stylized, cursive script.

Kidest Bahta

Primary Patent Examiner

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